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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Attorney Docket No. 70764.02
First Inventor or Application Identifier Freeman
Title Materials & Supplies Ordering System
Express Mail Label No. EK797113302 US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ * Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☒ Specification [Total Pages 28]
(preferred arrangement set forth below)
 - Descriptive title of the Invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to Microfiche Appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
3. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 5]
4. Oath or Declaration [Total Pages 33]
 - a. ☐ Newly executed (original or copy)
 - b. ☒ Copy from a prior application (37 C.F.R. § 1.63(d))
(for continuation/divisional with Box 16 completed)
 - i. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).

* NOTE FOR ITEMS 1 & 13: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

5. ☐ Microfiche Computer Program (Appendix)
6. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. ☐ Computer Readable Copy
 - b. ☐ Paper Copy (identical to computer copy)
 - c. ☐ Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

7. ☐ Assignment Papers (cover sheet & document(s))
8. ☐ 37 C.F.R. § 3.73(b) Statement ☐ Power of Attorney
(when there is an assignee)
9. ☐ English Translation Document (if applicable)
10. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
11. ☐ Preliminary Amendment
12. ☐ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
13. ☐ * Small Entity Statement(s) ☒ Statement filed in prior application, Status still proper and desired
(PTO/SB/09-12)
14. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
15. ☐ Other: _____

16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: 09/197,191
Prior application information: Examiner Young, J Group / Art Unit: 2764

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label ☒ Correspondence address below
(Insert Customer No. or Attach bar code label here)

Name	<u>Michael Klicpera</u>				
Address	<u>P.O. Box 573</u>				
City	<u>La Jolla</u>	State	<u>CA</u>	Zip Code	<u>92038-0573</u>
Country	<u>U.S.</u>	Telephone	<u>(858) 268-4488</u>	Fax	<u>(858) 292-8381</u>

Name (Print/Type)	<u>Michael Klicpera</u>	Registration No. (Attorney/Agent)	<u>38044</u>
Signature	<u>Michael Klicpera</u>	Date	<u>4/10/2000</u>

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9 UNITED STATES PATENT APPLICATION
10 of
11 MATERIALS AND SUPPLIES ORDERING SYSTEM
12 by
13 CRAIG FREEMAN
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1 CROSS REFERENCE TO RELATED APPLICATIONS

2 The present application is a continuation of patent application serial
3 number 09/197,191 filed on November 20, 1998, entitled "Materials and Supplies
4 Ordering System" that is currently pending (attorney docket number 70764.01).

5 The parent application is incorporated herein by this reference.
6

7 FIELD OF THE INVENTION
8

9 The present invention relates to methods and a system for assisting
10 contractors or consumers to use computer equipment to facilitate ordering supplies
11 from a merchant or supply vendor. More particularly, this invention relates to a
12 computer program that creates and displays a multi-level categorization table for
13 entering contractor supply order data which calculates the appropriate SKU, bar
14 code, universal product code or part number, and transfers this information in
15 electronic, softcopy or hardcopy format to the supply merchant or vendor to
16 facilitate the filling and possible also the delivery of any such contractor order
17 over the internet, a modem, or by mail or hand delivery of a software disk or
18 hardcopy.
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BACKGROUND OF THE INVENTION

When a contractor or customer desires to purchase materials for building, constructing or modifying a residential home, condominium, apartment or office complex, the contractor or customer must evaluate the construction phase and determine what materials or supplies will be necessary to accomplish the goal of completing the project. Generally, even the smallest construction project requires a significant number of materials and supplies and one of the first steps in any construction project is the procurement of such materials and supplies. Typically, the contractor or customer must personally go to the vendor's or merchant's store, locate the appropriate materials and physically load the materials on a cart or vehicle for purchasing. When navigating through the vendor's store to locate the necessary materials and supplies that are available for sale, the procurement process may be tedious because the materials usually are spread throughout the store. Due to the number of materials and supplies and the specific quantity of each, this inefficient procurement method forces the contractor or customer to spend many hours in locating, selecting and purchasing of such materials. Furthermore, since the particular stores are open usually during the daylight and evening hours, the contractor or customer cannot order materials or supplies at a more convenient time, such as late at night or early in the morning. In addition, the contractor or customer must not only purchase a variety of materials and supplies, but must also personally load them on an appropriate vehicle or make arrangements to have the materials delivered to the site of construction. Also

1 when constructing an entire building, there are a number of phases, e.g.
2 foundation, plumbing, framing, roofing, etc. Therefore, the general contractor or
3 customer must perform this inefficient ordering and purchasing process a number
4 of times.

5
6 With the advent of large hardware and lumber supply merchants or
7 vendors, such as Home Depot, Homebase, or Eagle Hardware the smaller
8 hardware and lumber stores have been diminishing in numbers. While the
9 smaller hardware may offer more services to compete with large vendors and the
10 less competition might not offer the contractors or customers the best prices, there
11 are several advantages. One particular advantage of the large stores that relates
12 to this invention, is a standardization of identification of supply materials. Home
13 Depot, Home Base, or Eagle Hardware have a standardized list of all materials for
14 sale by a specific name, SKU code, part number, universal product code, and/or
15 bar code. This opens the opportunity for a more advanced and efficient means to
16 order supply materials from large merchants for construction projects.

17 18 SUMMARY

19
20 The present invention comprises a computer program which displays a
21 number of objects in some form of organized, often hierarchial, fashion. Employed
22 is a common system found in a variety of hardware/software computer systems
23 and applied in a variety of different contexts known as a categorization table. The
24

1 present invention's categorization table organizes data under successive and
2 expandable levels of categorized headings, assigns the appropriate vendor specific
3 names, SKU codes, part numbers, universal product code, and/or bar codes, and
4 then transfers this specific information to a merchant or vendor for processing of
5 the order. Such headings give relevant information to the user as to the nature of
6 the underlying construction project and/or data grouped under particular headings
7 at a given level or construction. The user is also able to manipulate the data or to
8 select objects for appropriate actions (starting a program, printing a construction
9 material supply list, transferring a generated list(s) to the vendor/merchant, etc.).
10

11 By interacting with the categorization table, a user may create a customized
12 table with the current data comprising identification of supply materials and
13 quantity of data being displayed under expanded headings or subheadings while
14 non-current data remains unseen because the entire categorization table is unable
15 to be displayed within the confines of the window boundaries. Once the
16 categorization table is completed, a number of reports can be generated from the
17 program. A first report that is generated from the complete categorization table,
18 is a material and supply list which details the vendor/merchant specific names,
19 stock keeping unit (SKU) codes, vendor part numbers, universal product code,
20 and/or bar codes and quantity requested for each material listed on the table. A
21 second report can be generated which lists the number of hours of labor in
22 man/hours calculated for the specific construction project or phase shown in the
23 completed categorization table. The first report also provides contractor
24

1 identification information (name, address, telephone number) and specific job
2 number, and accounting information (purchase order number or credit card
3 number). Furthermore, this first report is then transferred to the identified
4 vendor/merchant for processing, and possible delivery of materials and supplies,
5 including confirmation of the order.

6
7 Computer shopping represents an increasing part of the economy. The
8 growth in its popularity can in part be explained because customers have learned
9 that goods purchased from a catalog are often much less expensive than if
10 purchased through a normal retail store. In addition, because a customer can shop
11 without leaving the comfort of their home or office, placing an order for material
12 supplies from a computer makes much more efficient use of the
13 contractor's/customer's time.

14
15 Shopping for material and supplies using a personal computer to place an
16 order on a network is a natural extension to the more traditional catalog shopping,
17 since the customer enjoys these same benefits. The COMPUSERVE or AMERICA
18 ONLINE network and other private networks have long offered members the
19 opportunity to browse through on-line "Electronic Shopping Malls" and place
20 orders for goods shown and described therein. New opportunities for shopping via
21 personal computer arise daily as more people gain access to the Internet network,
22 with its interconnectivity and easy access through the World Wide Web or E-mail.

1 It is an object of the present invention to provide a solution to the problem
2 of inefficient procurement of materials and supplies by direct ordering. Utilizing
3 the present inventions computer ordering program, the contractor or customer
4 enters into a categorization table all materials and supplies including the specific
5 quantities required for a particular phase of a construction project, and then
6 transfers over the telephone, other network computer disk or hardcopy, the order
7 that includes the contractor's/customer's specific supply material request and
8 financial information in a format that can be readily processed by the vendor or
9 merchant.

11 These and other objects and features of the present invention will become
12 more fully apparent from the following description and appended claims or may be
13 learned by the practice of the invention as set forth hereinafter.

16 BRIEF DESCRIPTION OF THE DRAWINGS

18 In order that the manner in which the above-recited and other advantages
19 and objects of the invention are obtained, a more particular description of the
20 invention briefly described above will be rendered by reference to specific
21 embodiments thereof which are illustrated in the appended drawings.
22 Understanding that these drawings depict only typical embodiments of the
23 invention and are not therefore to be considered to be limiting of its scope, the

1 invention will be described and explained with additional specificity and detail
2 through the use of the accompanying drawings in which:
3

4 FIG. 1 is a conceptual overview block diagram, illustrating the components
5 involved in the communication between the contractor or customer with a remote
6 merchant, over a network, public telephone system, softcopy or hardcopy means to
7 establish an order of materials or supplies for a construction project.
8

9 FIG. 2 is an exemplary partial categorization table on a computer screen for
10 one phase of a construction project that includes blocks for entering data into the
11 table for calculating the appropriate standardized name, SKU, universal product
12 code or bar code for creating a detailed list to be transferred to a remote vendor or
13 merchant.
14

15 FIGS. 3a and 3b are a flow chart illustrating the steps implemented when
16 using the computer generated categorization table for processing an order of
17 construction materials and supplies with a remote vendor or merchant.
18

19 FIG. 4. is an exemplary material or supply report that is transferred to a
20 specific vendor or merchant for processing.
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DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

With reference to FIG. 1, the principal components used to implement the present invention are illustrated in a block diagram. At the top of the Figure, a dash line defines a customer location 10, which in many cases will be the customer's home or place of business. At the customer's location 10, a personal computer 12 is used to load the order program which displays a categorization table 14 in which various types of materials and/or supplies are entered for a given construction phase whereby a standardized name, SKU, universal product code, or bar code is assigned. Personal computer 12 is generally conventional in design, comprising a processor chassis 16 within which are disposed a central processor unit (CPU) and supporting integrated circuitry. Coupled to processor chassis 16 is a keyboard 18 and a monitor 20. Personal computer 12 is controlled by the customer using keyboard 18 and a mouse 22 (optional) or other pointing device that controls a cursor used to make selections in programs executed on the personal computer.

In the front panel of the processor chassis are mounted a floppy drive 24 and a hard drive 26. One or more serial ports are located near the rear panel for connecting an internal or external modem 28 for communication over standard telephone lines 32, the internet 34 or specialized cable or fiber optic means.

1 Although a desktop type of personal computer is illustrated in FIG. 1, it will
2 be understood that a laptop or other type of portable computer, a "dumb"
3 terminal, or a personal digital assistant can also be used in connection with
4 the present invention for placing an order. In addition, a workstation on a
5 local area network at the customer location can be used instead of personal
6 computer 12 for placing an order. Accordingly, it should be apparent that the
7 details of personal computer 12 are not particularly relevant to the present
8 invention. Personal computer 12 simply serves as a convenient interface for
9 accessing information about goods that can be purchased, and for
10 placing an order over a network means.

11
12 Also disposed at customer location 10 is a generally conventional telephone
13 30. Preferably, telephone 30 includes a touch-tone keypad 31. However, a
14 pulse-type telephone can also be used in connection with the present invention.

15
16 A number of private networks offer on-line shopping to members that are
17 connected to the network. Typically, the member accesses the network over the
18 telephone system, which is coupled to the personal computer through an internal
19 modem (not shown) or an external modem 28. While the present invention is
20 applicable to orders placed on such private networks, in FIG. 1, personal computer
21 12 is also shown connected to an Internet network 34.

1 Only recently have opportunities for shopping on the Internet network
2 become widely available. The connection between personal computer 12 and the
3 Internet can be through a modem 28 and telephone line 32 via a private network
4 service provider that is directly connected to the Internet network, through an
5 Internet service provider who is directly connected, or via a direct
6 high-speed data connection. The details of the type of connection to the
7 Internet network are of no consequence in the present invention.

8
9 Internet network 34 and public telephone system are depicted in FIG. 1 as
10 an amorphous shape to suggest that the details of connection with the customer
11 and the access made by the customer are continually evolving. By making a
12 connection to the Internet network, the customer has the ability to access sites
13 throughout the world at which are stored on-line catalogs that can be accessed by
14 the customer.

15
16 Once the contractor or customer has indicated the materials and supplies,
17 including quantities, to be purchased from a vendor or merchant, a standardized
18 listing is generated by the ordering program and the order can be transmitted to
19 an appropriate remote merchant location 50 via the standard telephone
20 connections 32, the Internet network 34, or by computer disk 36 or hardcopy 38.
21 Although the order can be placed in real time if the customer is directly connected
22 to the remote merchant location through the Internet, for example via the World
23 Wide Web, it is also possible that the customer will complete an order from which
24

1 the goods and supplies were selected and transmit the order form as a specialized
2 E-mail message to the remote merchant location through the Internet network.

3
4 An order received from customer location 10, which is exemplary of many
5 other customer locations from which orders can be input to remote computer 52, is
6 processed by the computer database management system 54 and custom software
7 executing on the computer for storage in a database. This database is maintained
8 on the non-volatile storage.

9
10 Computer 52 also processes data input by customers using a public
11 telephone system 32. Again, the public telephone system is illustrated as having
12 an amorphous shape to indicate that it is a complex system that can involve many
13 thousands of components, including signals conveyed by land lines, satellite,
14 and/or optical fibers. The details of the public telephone system are, however, not
15 important in the present invention. It simply represents a communication link
16 between the customer locations and remote merchant location 32 that is
17 substantially more secure than a network such as the Internet.

18
19 An order received from customer location 10, can also be transferred to
20 remote facsimile 56. In order to complete an order that has been generated by
21 the categorization table , the contractor/customer is instructed on the order form
22 or in the program to call a specific 800 (or other) number that is coupled to the
23 remote merchant location. The customer makes the call using modem 28, which is
24

1 coupled to public telephone system 22, or using any other public telephone. The
2 public telephone system conveys the customer's call to facsimile 56.

3
4 An order received from customer location 10, can also be transferred to
5 remote location 50 by mailing to the remote location or physically delivering a
6 software disk 36 which contains the generated order list in software format or by
7 hardcopy 38 for which the generated order list is printed on one or more pages to
8 an attendant 58

9
10 Moving to Figure 2 which demonstrates a portion of the categorization table
11 generated by the ordering program on a computer screen. Figure 2 shows just
12 one phase that has been loaded into the memory of the computer for editing and
13 processing. The ordering program contains categorization tables specific for
14 several phases of a construction project, such as foundation and slab construction,
15 framing, electrical, plumbing, etc. Each phase has a specific categorization table
16 specific for each phase, but allows for further editing and modification of the table
17 to meet the contractor's or customer's specific needs.

18
19 Further details of the construction/customer order program 78 for entering a
20 construction project order over a network means are illustrated in the flow chart
21 shown in FIGS. 3a and 3b, beginning at a start block 80. In a block 82, a vendor
22 or merchant supply database containing the vendor's/merchant's specific part
23 numbers, SKU numbers, universal product code, bar codes or pricing information
24

1 can be input into a database which is linked to the categorization table by the
2 ordering program 78. The supply database can be entered by hand using a
3 printed list or other means, but preferably this information can be downloaded
4 from the specific vendor over the internet network or public telephone lines. It is
5 also possible to provide the supply information software floppy disk or CD-ROMs
6 to prospective customers/contractor, enabling the customer/contractor to download
7 the selected information into the ordering program 78. Pricing information
8 supplied over a network means or disk format must be updated frequently for
9 accuracy, but this is not essential because the order program completes a
10 confirmation step with pricing information supplied by the vendor/merchant at the
11 time the order is placed.

12
13 In a block 84, the ordering program 78 prompts the contractor/customer to
14 select the vendor/merchant for which the ordering program will utilize the specific
15 supply information to generate the ordering list. The program can list Vendor #1
16 86, Vendor #2 88 , Vendor #N 90 for any merchant for which the supply
17 information has been downloaded and available for the ordering program 78 to
18 process information. Alternately, the ordering program can display an editing
19 block for entering the vendor's/merchant's specific name. A means for
20 downloading the specific vendor's supply data will be incorporated in the ordering
21 program to allow the contractor to expand beyond the specific vendors provided
22 with the program.

1 In the next step, described in a block 92, the contractor/customer selects the
2 construction phase or group that the contractor/customer desires to order
3 materials and supplies for completing the project. In block 94, construction
4 phases for ordering materials and supplies in association with a foundation or
5 slab, framing 96, electrical 98, plumbing 100 or additional 102 project phases. It
6 can be appreciated by one skilled in the art that numerous other construction
7 phases can be added to the ordering program. The ordering program 78 provides
8 a specific format for each phase selected, but has provisions for modifying the
9 categorization table to meet the contractors/customers particular needs. The
10 program also allows the contractor/customer to select one or more construction
11 phases at a single setting. In this capacity, the specific formats will be presented
12 in the categorization table in a logical sequence or a sequence indicated by the
13 operator.

14
15 After the preliminary vendor/merchant and construction phase information
16 has been entered into the ordering program, the next step, described in block 104,
17 allows the contractor to input job identification information and set various
18 parameters. These parameters include, but are not limited to, the full name of the
19 contractor/customer, a billing address, telephone number an E-mail address, the
20 requested delivery site and date of delivery of the materials and supplies, credit
21 card type, number, and expiration date, and/or purchase order number.

1 In the next step, described in block 106, the contractor or customer enters
2 the material data by providing the material name 1 and quantity 1, material
3 name 2 and quantity 2, material name N and quantity N until all the materials
4 and supplies desired to be ordered for the particular construction phase have been
5 entered into a database function of the ordering program. The program includes a
6 means for assisting the contractor/customer in entering the proper name for the
7 material or supply desired. The data entered on the computer might include a
8 subset or portion of the complete material name or description. As block 107
9 indicates, the completion or correction of the entered name is accomplished by
10 either a spelling check or name matching subroutine which evaluates the data
11 entered and compares it with the vendor supplied database. If the correct
12 material name is provided, the data is automatically printed on the computers
13 screen or console and additional entering of data can be accomplished. If there
14 are several possible matches to the data name entered, the subroutine of the
15 ordering program prints a detailed list of the possible matches on the screen and
16 provides a means for the contractor or customer to select the appropriate material
17 or supply name. Such a means would include a highlighted cursor that can be
18 moved over each possible material name until the proper name is highlighted and
19 then pressing a key, such as the enter key, to select that particular name. These
20 steps described in block 106 and 107 are repeating routines that allow the
21 contractor to enter a material name and quantity, initiates the matching
22 subroutine and when the final material name is selected, provides a means for
23 entering the next material name into the database function. When the contractor
24

1 has completed entering all the material names which is desired for the particular
2 phase of the ordering program, two icons which are always located on the
3 computer's screen can be selected by the highlighting method described. The first
4 icon represents a routine of the ordering program which allows the contractor or
5 customer to select another vendor and construction group by restarting the
6 program at step 84. The other icon prompts the contractor or customer to
7 terminate further entry of material or supply data.

8
9 At this point, as represented in step 108, the ordering program attaches the
10 vendor specific SKU number, vendor specific product number, universal product
11 code, and/or the bar code for each material data and quantity entered into and
12 accepted by the computer and recorded either temporarily or permanently into a
13 database. It is contemplated by the applicant that additional information
14 necessary for facilitating the ordering of materials and supplies from a vendor can
15 be added to the ordering program. An alternate embodiment of this would be to
16 run steps 106 and 108 consecutively after each data point is entered and accepted
17 by the ordering program and then the ordering program attaches the vendor
18 specific SKU number, vendor specific product number, universal product code,
19 and/or bar code, building the database one entry at a time.

20
21 In the next step, described in blocks 110 and 120, the ordering program
22 prints the material and supply database as a list printing the quantity or number
23 of items, the product name, the vendor specific product number, the SKU number,
24

1 universal product code, and /or bar code on the computer's screen for the
2 contractor's or customer's review. The material is listed by vendor and categories
3 or construction phases. At this time, editing of the information is made possible
4 by the ordering program to correct any errors in the data presented. Once the
5 contractor or customer is satisfied that all the materials and supplies necessary
6 for the particular construction project are listed and incorporated into the
7 database, an icon on the screen is available for highlighting and selecting which
8 then transfers the contractor's entered job identification information and
9 parameters as described in step 104 together with the listed database as described
10 in step 110 and 120, to the particular vendor(s) selected in step 84. As described
11 above for Figure 1 and incorporated herein, the means for transferring this
12 material and supply information can be by modem 28 over the public telephone
13 system 32 or internet network 34 in an electronic format. Alternately, the
14 information can be transferred by a printed hard copy 38 or computer disk 36 to
15 the specific vendor 50. At this point the order is not complete but rather an offer
16 by the contractor or customer to purchase the materials and supplies on a given
17 date and possibly for a given delivery site and date.

18
19 The vendor can then review the material supply information by a number of
20 methods, the most efficient being downloading the information to the vendor's
21 computer system 52 and database 54 for processing. It is contemplated by the
22 applicant that this information can be sent to a regional vendor warehouse
23
24

1 specializing in processing this advanced and efficient ordering method for
2 construction materials.

3
4 With reference to block 124, after the vendor has received the material and
5 supply order from the contractor or customer and has evaluated their quantity of
6 materials and supplies, shipping availability, etc. the vendor can return to the
7 contractor or customer by any of the means described above for transferring the
8 material information from the contractor/customer to the vendor, a confirmation
9 document which provides a quote or estimate for the supplies and materials, lists
10 the availability of such supplies and materials and if requested, provides the
11 delivery date. It is contemplated by the applicant that the materials and supplies
12 may be delivered in installments, that is, some materials delivered on one date
13 and other materials on another date. Provisions are made in the ordering
14 program for generating a list detailing different installment delivery dates for a
15 specific group of materials.

16
17 In the next step, as depicted in block 126, after the contractor or customer
18 reviews the estimate, bill and delivery dates from the vendor and agrees with the
19 terms and provisions provided within, then the contractor/customer can contact
20 the vendor by telephone 30, e-mail over the internet 34 or by facsimile 56 to
21 finalize the transaction. This final step authorizes the vendor to make
22 appropriate changes to the contractor's or customers account or credit card and
23 consummate the delivery of the materials and supplies as dictated by the above

1 transaction. No further communication is necessary, but additional exchange of
2 information can be conducted to further the delivery of the ordered materials and
3 supplies to the deliver site.
4

5 Presented on FIG. 4 is an example of the database supply and material list
6 that is generated from step 122. This example is presented as a hardcopy format
7 for ease of review, but as described herein, the database supply and material list
8 is preferably in an electronic format that can be delivered to a facsimile, sent by
9 mail or in person a floppy disk, or downloaded over the internet or public
10 telephone system to the vendors computer 52 for processing into the vendors
11 database 54. This database supply and material list is entitled "Order List" on
12 FIG. 4. But it can be appreciated by one skilled in the art that any other relevant
13 title can be employed. The listing generally provides the information necessary for
14 the vendor to process the order. Therefore, the contractor's or customer's name,
15 address and contact information, billing and other financial information, the
16 complete list of materials and supplies including the quantity, part description,
17 SKU, bar code, and/or vendor part number, and the requested delivery date and
18 location is included in the generated list. It can be appreciated by the artisan that
19 the order and configuration of the items of this list is not necessarily restricted to
20 that presented in FIG. 4. Various formats displaying the pertinent information
21 can be employed to meet the vendor's or merchant's or desired specifications
22 without departing from the object of the present invention. Furthermore, as
23
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1 depicted in Fig. 4, the list may comprise one or more pages to accommodate
2 primarily the number of goods or supplies ordered.

3
4 Although the present invention has been described in connection with the
5 preferred form of practicing it, those of ordinary skill in the art will understand
6 that many modifications can be made thereto within the scope of the claims that
7 follow. Accordingly, it is not intended that the scope of the invention in any way
8 be limited by the above description, but instead be determined entirely by
9 reference to the claims that follow. The categorization table may be created by a
10 computer program product directing and controlling a general purpose computer.
11 The computer program product will consist of some medium such as magnetic
12 floppy disks or CD-Rom (or downloaded to a hard disk by a floppy disk, CD-Rom,
13 e-mail or over the internet) having computer readable program code means to
14 configure the computer. The program code means will configure or cause the
15 computer to create and display the categorization table on an appropriate display
16 means, generate the appropriate database and material and supply listing, and
17 transfer this information by any means described herein for facilitating the order.

18
19 The present invention may be embodied in other specific forms without
20 departing from its spirit or essential characteristics. The described
21 embodiments are to be considered in all respects only as illustrated and not
22 restrictive. The scope of the invention is, therefore, indicated by the
23 appended claims rather than by the foregoing description. All changes which
24

1 come within the meaning and range of equivalency of the claims are to be
2 embraced within their scope.

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1 Claims:

2 I claim:

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4 1. A method for communicating and ordering material and supply data from an
5 intended recipient, comprising the steps of:

6
7 initiating said contractor/customer ordering computer program;

8
9 entering one or more material or product names and a specific quantity
10 desired for each material or product into said categorization table;

11
12 said ordering program attaching an intended recipient specific part number
13 and part name, stock keeping unit (SKU), universal product code or bar
14 code for each material or product entered;

15
16 said ordering program generating a list displaying the intended recipient
17 specific product number and product name, SKU number, universal product
18 code, or bar code and quantity for each individual product;

19
20 2. The method as recited in claim 1 further comprising the means of
21 transferring said list to said intended recipient.
22
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1 3. The method as recited in claim 1 wherein said ordering computer program
2 is located remotely from the contractor's/customer's computer.

4 4. The method as recited in claim 1 wherein said contractor/customer accesses
5 the computer program over a internet or network system.

7 5. A method for communicating and ordering material and supply data from an
8 intended recipient, comprising the steps of:

10 initiating said contractor/customer ordering computer program;

12 selecting a recipient from a first menu displayed by said computer program;

14 entering one or more material or product names and a specific quantity
15 desired for each material or product into said categorization table;

17 said ordering program attaching an intended recipient specific part number
18 and part name, stock keeping unit (SKU), universal product code or bar
19 code for each material or product entered;

21 said ordering program generating a list displaying the intended recipient
22 specific product number and product name, SKU number, universal product
23 code, or bar code and quantity for each individual product; and

1 6. The method as recited in claim 5 further comprising the means of
2 transferring said list to said intended recipient.

3
4 7. The method as recited in claim 5 wherein said ordering computer program
5 is located remotely from the contractor's/customer's computer.

6
7 8. The method as recited in claim 5 wherein said contractor/customer accesses
8 the computer program over a internet or network system.

9
10 9. A method for communicating and ordering material and supply data from an
11 intended recipient at a remote location, comprising the steps of:

12
13 initiating said contractor/customer ordering computer program;

14
15 said ordering program displays a construction phase specific categorization
16 table;

17
18 entering one or more material or product names and a specific quantity
19 desired for each material or product into said categorization table;

20
21 said ordering program attaching the recipient's specific part number and
22 part name, stock keeping unit (SKU), universal product code or bar code for
23 each material or product entered; and
24

1 said ordering program generates the recipient's specific product number and
2 product name, SKU number, universal product code, or bar code and
3 quantity for each individual product.
4

5 10. The method as recited in claim 9 wherein said ordering computer program
6 is located remotely from the contractor's/customer's computer.
7

8 11. The method as recited in claim 9 wherein said contractor/customer accesses
9 the computer program over a internet or network system.
10

11 12. A method for communicating material and supply data to an intended
12 recipient at a remote location, comprising the steps of:
13

14 initiating said contractor/customer ordering computer program;
15

16 entering one or more material or product names and a specific quantity
17 desired for each material or product into said categorization table;
18

19 said ordering program attaching said recipient's specific part number and
20 part name, stock keeping unit (SKU), universal product code or bar code for
21 each material or product entered; and
22

23 said ordering program generating a list of the recipient's specific product
24

1 number and product name, SKU number, universal product code, or bar
2 code and quantity for each individual product.
3

4 13. The method as recited in claim 12 wherein said ordering computer program
5 is located remotely from the contractor's/customer's computer.
6

7 14. The method as recited in claim 12 wherein said contractor/customer
8 accesses the computer program over a internet or network system.
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ABSTRACT

The present invention comprises a computer program which displays a number of objects in some form of organized, often hierarchial, fashion commonly known as a categorization table. In summary, the ordering program displays a categorization table organizes data under successive and expandable levels of categorized headings, assigns the appropriate vendor specific names, SKU codes, part numbers, universal product code, and/or bar codes, and then transfers this specific information to a merchant or vendor for processing of the order. The programs allows the user to manipulate the data or to select objects for appropriate actions (starting a program, printing a construction material supply list, transferring a generated list(s) to the vendor/merchant, etc.). Once the categorization table is completed, a specific report can be generated from the program. This report is a material and supply list which details the vendor/merchant specific names, stock keeping unit (SKU) codes, vendor part numbers, universal product code, and/or bar codes and quantity requested for each material listed on the table. This report can also provide contractor identification information (name, address, telephone number) and specific job number, and accounting information (purchase order number or credit card number). Furthermore, this report is then transferred to the identified vendor/merchant for processing, and possible delivery of materials and supplies, including confirmation of the order.

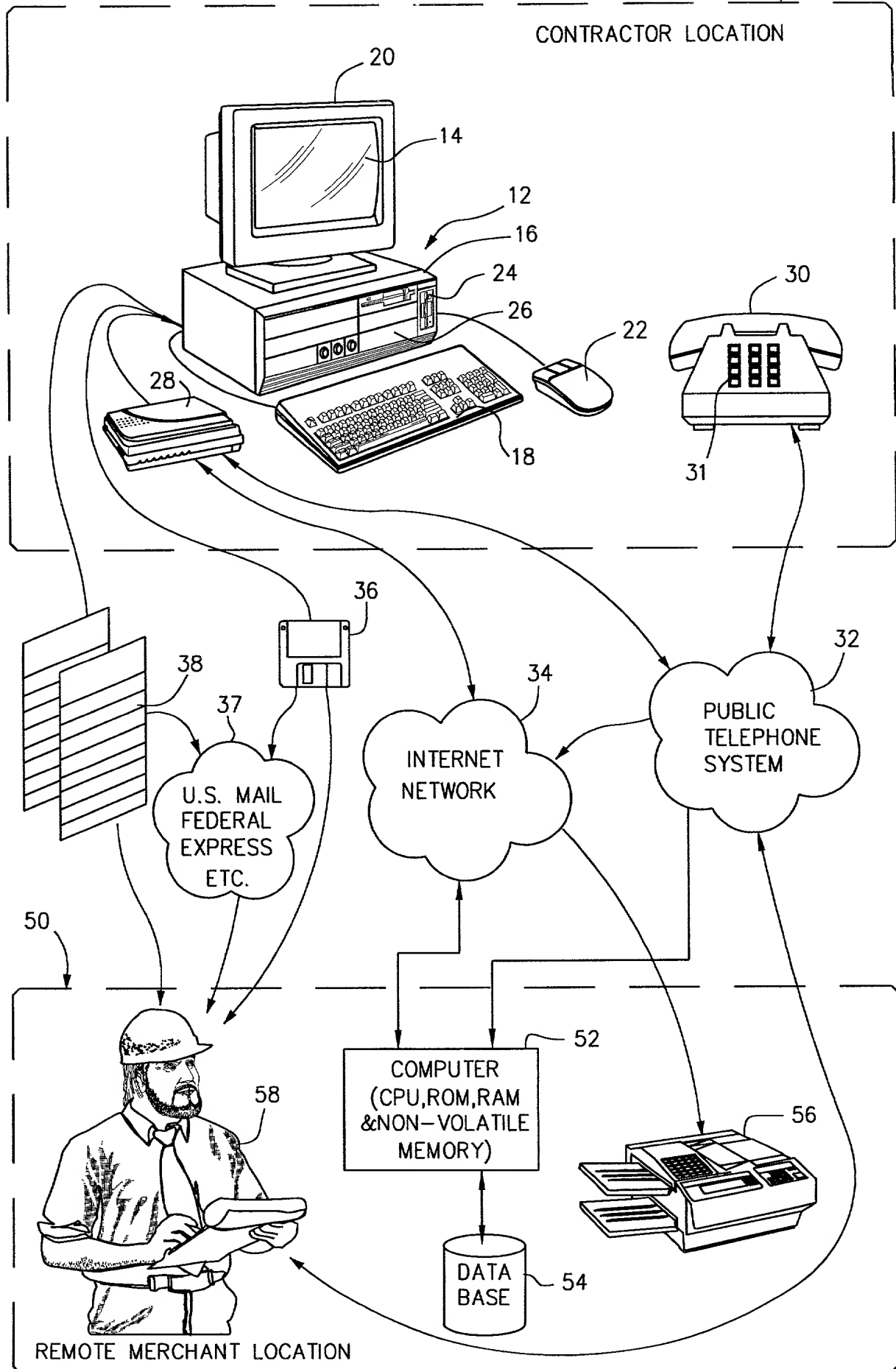
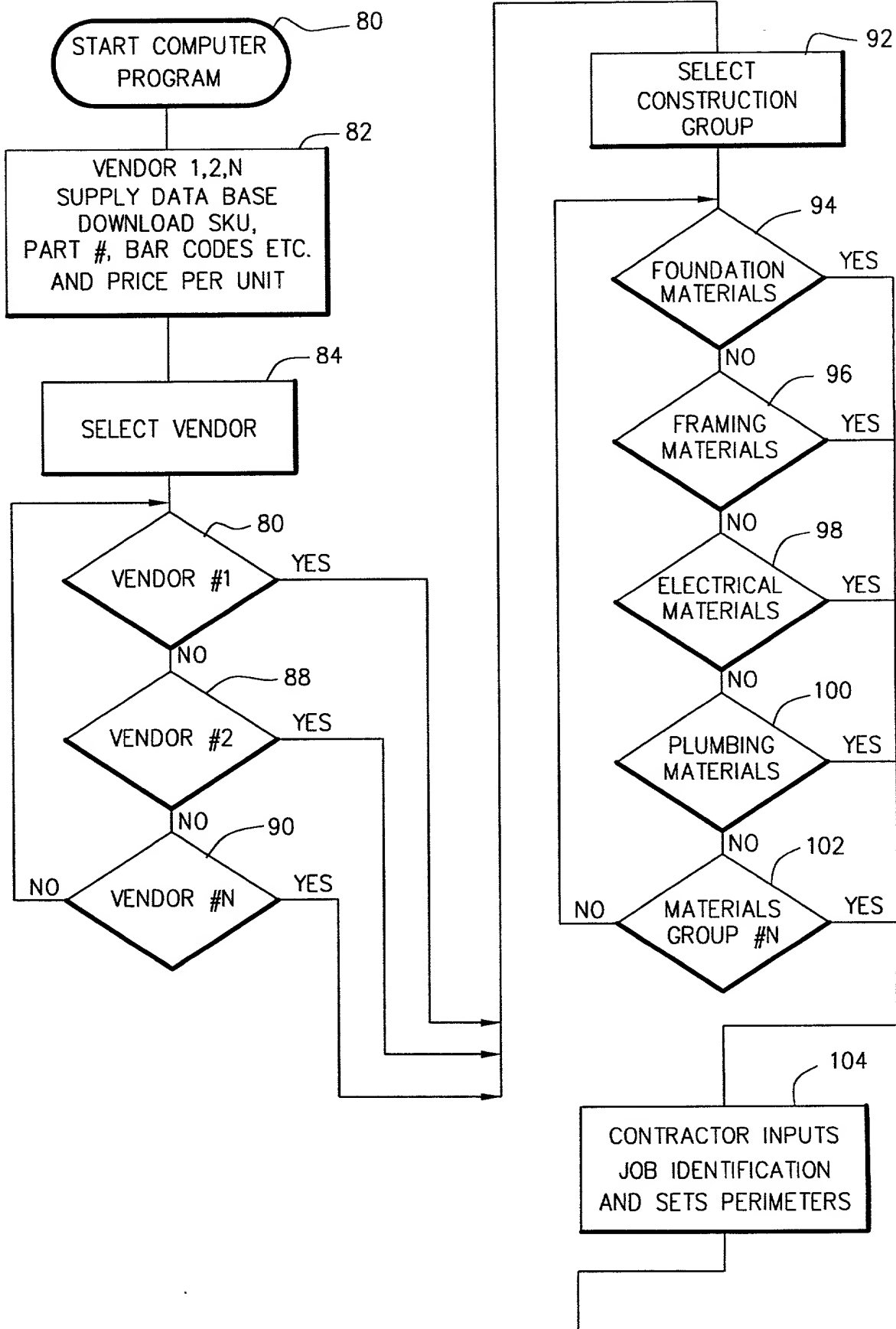


FIG. 2



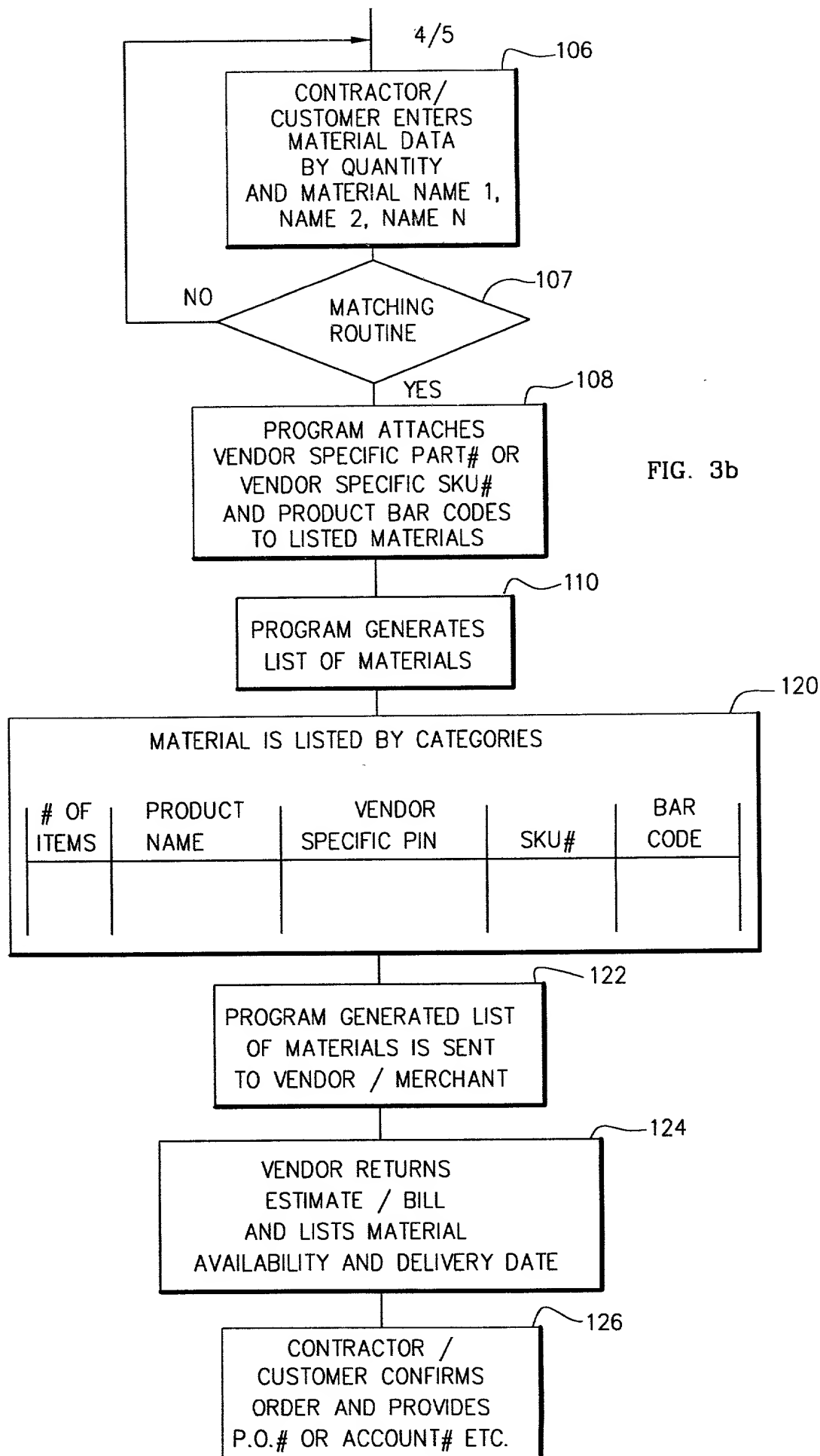


FIG. 3b

FIG. 4

P.O. NO. _____

ORDER LIST

LAST NAME _____

FIRST NAME _____

E-MAIL ADDRESS: _____

STREET _____

CITY _____

STATE _____ ZIP _____

BILLING ADDRESS: _____

STREET _____

CITY _____

STATE _____ ZIP _____

TELEPHONE NO. (____) _____

CREDIT CARD: VISA_ MC_ AM EXP_ DISCOV._

EXPIRATION DATE: ___/___

CREDIT CARD # _____

CONTRACTOR/ CUSTOMER

ACCOUNT NUMBER: _____

MATERIALS/SUPPLIES ORDERED

QTY.	DESCRIPTION	SKU	BARCODE	VENDOR PART NO.
------	-------------	-----	---------	--------------------

NAME _____

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1. _____
 2. _____
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DELIVERY DATE ___/___/___

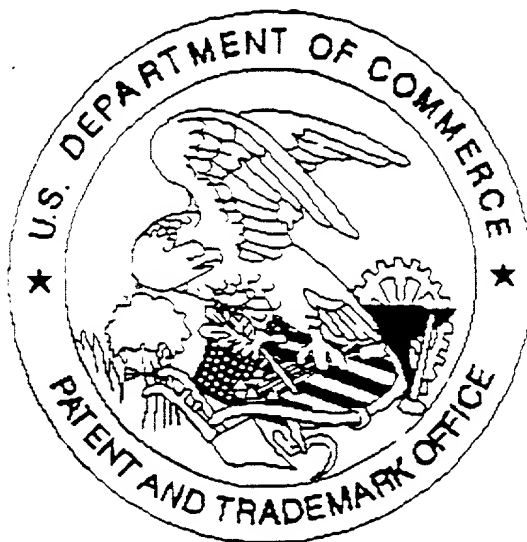
DELIVERY LOCATION

STREET _____

CITY _____

STATE _____ ZIP _____

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